

DO NOT ENTER
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AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

21. (Currently amended) A method for inducing chondrogenesis, said method comprising administering to a patient an effective amount of a composition comprising bone morphogenetic protein-9, autologous non-tissue culture expanded CD105+ cells isolated from the patient's bone marrow, and a suitable matrix carrier.

22. (Cancelled)

23. (Currently amended) The method of claim 21 ~~further comprising administering a protein selected from the Transforming Growth Factor Beta (TGF β) superfamily of proteins, wherein the protein is capable of inducing the formation of cartilage tissue~~ wherein the composition further comprises bone morphogenetic protein-2.

24-25. (Cancelled)

26. (Currently amended) A method for treating arthritis, said method comprising administering to a patient an effective amount of a composition comprising bone morphogenetic protein-9, autologous non-tissue culture expanded CD105+ cells isolated from the patient's bone marrow, and a suitable matrix carrier.

27. (Currently amended) A method for treating articular cartilage defects or damage, said method comprising administering to a patient an effective amount of a composition comprising bone morphogenetic protein-9, autologous non-tissue culture expanded CD105+ cells isolated from the patient's bone marrow, and a suitable matrix carrier.